

SAFETY DATA SHEETS

01- IDENTIFICATION OF PRODUCT AND COMPANY

* COMMERCIAL NAME : **DESODO PANDARA 150ML LB916JLR1/1**

* PRODUCT CODE : ADPD

SUPPLIER : PRODIFA

6, rue Salle Le Comte
59300 Valenciennes - France
Tel : (+33).3.27.28.19.19
Fax : (+33).3.27.28.19.10

02- COMPOSITION/INFORMATION CONCERNING COMPONENTS

* DANGEROUS COMPONENTS : (present in the mixture with enough concentration to impose on it the toxicological features it would have in a pure state at 100%).

This preparation does not have any dangerous component of this type.

* OTHER DANGEROUS COMPONENTS :

This preparation does not have any dangerous component of this type.

* PRESENT COMPONENT WHEN THE CONCENTRATION IS BELOW TO THE MINIMAL DANGER THRESHOLD :

This preparation does not have any dangerous component of this type.

* OTHER COMPONENTS WHICH HAVE LIMITED PROFESSIONAL EXPOSITION VALUE :

601-003-00-5 Point 74-98-6 EEC 200-827-9 PROPAN Concentration $\geq 10.00\%$ and $< 25.00\%$ Symbol : F+ R : 12

601-004-00-0 Point 106-97-8 EEC 203-448-7 BUTAN AND ISOBUTAN Concentration $\geq 50.00\%$ and $< 100.00\%$ Symbol : F+ R : 12

603-002-00-5 Point 64-17-5 EEC 200-578-6 ETHYL ALCOHOL Concentration $\geq 10.00\%$ and $< 25.00\%$ Symbol : F R : 11

Can involve an allergic reaction :

605-019-00-3 Cas 5392-40-5 EEC 226-394-6 CITRAL Concentration $\geq 0.00\%$ and $< 2.50\%$.
Symbol : Xi R: 38-43

03- IDENTIFICATION OF DANGERS

* MAIN DANGER : extremely flammable

Further to the instruction 1999/45/CE, this preparation is not classified as dangerous for health.

* SPECIFIC RISKS : container under pressure

04- FIRST AID

In case of doubt or symptom, seek medical advice immediately.
Do not induce vomiting an unconscious person.

- * Inhalation : Following ingestion of very large amounts, bring the person to fresh air and keep him in a warm place and at rest.
- * Contact with the skin Take off soiled clothes. Wash abundantly with soap water or use a well-known cleaning product. Do not use any solvent or diluent.
- * Contact with the eyes Rinse abundantly with clear water during 15 min with opened eyelids. See an ophthalmologist if an irritation or a pain appears.
- * Ingestion Following accidental ingestion (no more than a mouthful), rinse out the mouth with clean water and consult a doctor.
In case of important ingestion, consult a doctor to see if a treatment is necessary, eventually in hospital. Show the label.

05- MEASURES IN CASE OF FIRE

Chemicals products, the carbon dioxide and the other extinguishing gas are adapted to small fire.

* MEANS OF EXTINCTION

- ADAPTED carbon dioxide, chemical powders, mosses and the other extinguishing gas. In case of fire, use adapted extinguisher materials. Never use water.
- UNSUITABLE Cool the packaging near flames to avoid explosion risks of pressurised containers. Prevent the effluents of the struggle against fire to go inside the used or artificial water. Do not use compressed air to fill up, to empty or to manipulate.

- * SAFETY OF PEOPLE : Take self contained breathing mask. Remove aerosols from warmth to avoid overpressure. Cool them down with water if needed.

06- MEASURES IN CASE OF ACCIDENTAL DISPERSION

- * INDIVIDUAL PRECAUTIONS eliminate any source of ignition and ventilate the rooms
avoid risks of vapour's burning, avoid inhalation
Respect precautions listed in paragraph 07 and 08.
Wear suitable gloves, glasses and eventually face protection.
- * PRECAUTIONS FOR THE ENVIRONMENT PROTECTION
in case of accidental pouring out avoid outflow of the product.
Use for example sand or any neutral absorbent. Avoid penetration in public sewer or water sources. In case of contamination, call the authorities concerned.
- * CLEANING METHOD use absorbents. The elimination will have to be done by a chartered regenerator.

07- HANDLING AND STOCKING

The instructions concerning the warehouses are valid for the workshops.

*** HANDLING**

- **TECHNICAL MEASURES** : press shortly without long pulverizations. Use in well-ventilated rooms. Vapours are heavier than the air. It may occur explosive mixture with the air. Prevent the creation of flammable or explosive concentration in the air and avoid the concentration of vapours.

- **PRECAUTIONS** : do not spray on a naked flame or any incandescent material.

Do not smoke during the use. Avoid any contact with the skin or the eyes or excessive inhalation.

- **USING ADVICES** : press shortly without long pulverizations. Use and store away from any flame, source of heat and electrical equipment in use. Ventilate after use. Follow usual regulations for hygiene and security because of inflammability.

*** MEASURES IN CASE OF FIRE**

Do not use on a naked flame or near a source of ignition. Get a specific electric equipment. Keep the packaging closed and store away from any flame or source of heat. Do not use electric equipment. Do not smoke. Do not allow the access to any unauthorised person. Vapours are dangerous in case of combustion. Avoid any contact with a source of heat or with any source of ignition. Keep away from any electric equipment.

*** RECOMMENDED EQUIPMENT AND RULES**

Respect the instructions on the label according to the rules of work protection. The opened cases have to be carefully closed and kept vertically. Avoid any inhalation. Do not smoke. Keep only in the original container. Do not pierce or burn, even after use. Follow usual regulations for handling and stocking because of the inflammability of the product. Use in correctly ventilated rooms.

*** FORBIDDEN EQUIPMENT AND RULES**

Do not smoke, eat and drink in a room, where the mixture is used.

Never open the packaging with pression. Do not pierce or burn, even after use.

*** STOCKING**

- **TECHNICAL MEASURES** : keep container tightly closed in a well ventilated place. Keep away from children.

- **RECOMMENDED STOCKING CONDITIONS** : keep away from any source of ignition. Do not smoke. Protect from sunlight and do not expose to temperatures exceeding 50° C. Store in a cool ventilated area. If white iron box, keep away from humidity. Keep away from food products. The ground of the room will be waterproof and will create a retention washbasin in order to avoid the leaking of the liquid.

- **INCOMPATIBLE MATERIALS** : oxidizing agents and strong acids

- **RECOMMENDED PACKAGING MATERIAL** : packaging of origin

08- CONTROL OF EXPOSITION - SELF PROTECTION

* TECHNICAL MEASURES : be sure that the area is ventilated, if possible, with aspiration to the working posts and with a convenient general extraction. If this ventilation is not sufficient to maintain solvent vapour concentrations under exposition limited values, wear breath equipment.

* EXPOSITION LIMITED VALUES AS PER INRS ND 2098 – 174 – 99 and ND 2114 – 176 – 99 :

Germany	Categories	MAK – ppm	MAK – mg/m ³	Notes	Notes	
601-003-00-5	IV	1000	1800	-		
601-004-00-0	IV	1000	2400	-		
603-002-00-5	II, 1	500	960	5,C		
ACGIH (TLV)	TWA-ppm	TWA-mg/m ³	STEL – ppm	STEL – mg/m ³	Notes	Notes
601-003-00-5	2500	4509	-	-	-	-
601-004-00-0	800	1900	-	-	-	-
603-002-00-5	1000	1880	-	-	A4	-

* EXPOSITION LIMITED VALUES AS PER 2000/39/CE and ND 98/24/CE:

VME-ppm	VME-mg/m ³	VLE-ppm	VLE-mg/m ³	Notes
---------	-----------------------	---------	-----------------------	-------

* SELF PROTECTION EQUIPMENT

- BREATH CONTROL	recommended
- HANDS PROTECTION	advised
- EYES and FACE PROTECTION	advised
- SKIN PROTECTION	recommended

09-PHYSICAL PROPERTIES

* VOLUMIC MASS	<1
*CHARACTER ACID-BASE OF THE PREPARATION	not concerned
* SOLUBILITY	miscible
*TENSION OF VAPOUR AT 50°C OF THE VOLATILS COMPONENT	not concerned
* PHYSICAL STATE	active liquid product
* FLASH POINT	<0°C and Eb<=35°C
* PH	not concerned
* AUTO INFLAMMABILITY	200°C
* DECOMPOSITION	200°C
* FUSION INTERVAL	not precised
* INITIAL TEMPERATURE OF DISTILLATION	78°C

10- STABILITY AND REACTIVITY

* STABILITY	Exposed to high temperatures, the preparation can given off dangerous decomposition products as monoxyde and carbon dioxide, smoke, nitrogen oxide. Any equipment, which could produce a smoke or increase the temperature of a metallic surface (burners, electrical arch, oven) will be forbidden in
-------------	--

- the room. Chemically stable in normal stocking and using conditions
- * CONDITIONS TO BE AVOIDED Avoid the accumulation of electrostatical charges. Do not use near a flame or incandescent material or ignition point
 - * MATERIALS TO BE AVOIDED Oxidizing and strong acids
 - * PRODUCT OF DANGEROUS TOXICAL DERIVATIVES as carbon dioxide
- DECOMPOSITION .

11- TOXICOLOGICAL INFORMATIONS

There is no information on the preparation itself available.

A too long exposition to the solvent vapours in the mixture can involve negative effects for the health as:

- mucous and respiratory system irritation
- kidney, liver and central nervous system affection.

Symptoms will appear in the form of cephalgias, giddiness, tiredness, muscular asthenie, and in extrem cases, loss of consciousness.

Prolonged or repeat contacts with the mixture can take up the natural grease of the skin and provoke also non allergic dermatitis of contact and an absorption throughout the epiderm.

Splashes in the eyes can involve irritations and reversible damages.

* SHARP RISKS

- INHALATION in case of high concentration, vapours could irritate the eyes and breath channels with effects on the nervous system. Narcotic effect of the IPA
- INGESTION accidental absorption can cause buccal and abdominal pain.
- CONTACT WITH THE SKIN often and prolonged contacts can cause skin irritations. Drying action on the skin with irritating effects.

* TOXICOLOGICAL DATA

ISOPROPYL ALCOHOL – SEE DATA INRS N°66

12- ECOLOGICAL INFORMATIONS

There is not ecological data for the preparation.

Do not throw the product in used or artificial waters.

Other information:

Dangerous to aquatic organisms. Can involve a disastrous effect in the future for the aquatic environment.

13- CONSIDERATIONS CONCERNING THE ELIMINATION*

Do not throw the product in used or artificial waters. Do not pierce or burn an aerosol even after use.

- * WASTES Give to a chartered recuperator
- * SOILED PACKAGE Give to a chartered regenerator
- * PARTICULAR PROVISIONS Aerosol. Do not pierce or burn even after use. Refers to prefectural laws.
- * LOCAL PROVISIONS Regulations for wastes :

Rules concerning the discharge of oil and lubricant in artificial waters and sea:

Law 75-633 dated 15/07/75 and decree 77-974 dated 19/08/77 ; decree 79-981 dated 21/11/79 changed by the decree 85-387 dated 29/03/85

Law 88-1261 dated 30/12/88 ; decree 90-267 dated 23/03/90 for import, export and transit of waste which can generate nuisance.

Law 92-646 dated 13/07/92 for waste disposal and material recuperation.

Decree dated 02/02/98 for regulated wastes.

14-INFORMATION CONCERNING TRANSPORTATION (international regulations)

Carry the product, according to the provisions of the ADR for the road, the RID for the rail, the IMDG for the sea and the ICAO/IATA for the aerial transport.

- UN No 1950

ADR/RID	Class	Number	Id-No	Label					
	2	5°F	1950	3/ADR					
IMDG	Page	N°ONU	Class	Group	2° Label	Identif	N°GSMU		
	-	1950	2						
IATA	N°ONU	Class	2°Label	Group	Passenger	Passenger	Cargo	Cargo	Note
	1950	2.1	-	-	203	75kg	203	150kg	-
	1950	2.1	-	-	Y203	30kg	-	-	-

15- INFORMATION CONCERNING REGULATIONS

The classification of this preparation was made according to the directive <All preparations> 1999/45/CEE and its adjustments.

Also directive 2001/59/CE with 28th adjustment to the directive 67/548/CE (dangerous components)

* SYMBOL : F+ extremely flammable



EXTRÉMENT INFLAMMABLE

*R-SENTENCE : R12 extremely flammable.

*S-SENTENCE : S16 Use and keep away from any flame our ignition and sparks source, source of heat or electrical equipment in use. Do not smoke.
 S2 keep away from children.
 S51 use only in ventilated rooms.
 S46 In case of ingestion, see a doctor, showing him the packaging and the label
 Press shortly without long pulverizations.
 Do not use for any other use that the one which the product is intended.

* SPECIAL REGULATIONS : *Additional text which has to be mentionned on canister : Container under pressure. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use. Do not spray on a necked flame or any incandescent material. Use and store away from any flame, source of heat, electrical equipment in use. Do not smoke. Press shortly without long pulverizations. Ventile after use.*

Classified installations nomenclature. (France) (For quantity, read total quantity in the installation)
 Liquefied flammable gas N) 1414 (filling up, distribution) Regime A and range of advertising : 1 km
 Extremely inflammable liquid (Stocking in manufactured reservoir of):N°1432 – (in quantity>50t)
 Regime A, S and range of advertising: 4km
 Inflammable liquid (Stocking in manufactured reservoir of):N°1432 – (in quantity>100m3) Regime A
 and range of advertising: 2km
 In (quantity>10m3) but (Quantity<=100m3) Regime D.

SAFETY DATA SHEETS (91/155/CEE)
Version n° 1 (16/04/2002)
Name : DESODO PANDARA 150 ML –LB916JLR1/1
ADPD

Date : 24/04/2002 Page 7/7
Revision : n° 1 (16/04/2002)
Company : PRODIFA

Inflammable liquids (industrial fabrication of, treatment of petrol and its derived, desulfurization)=>
Regime A and range of advertising of 3 km.

Board of the professionals illness provided to the article R, 461-3 of the Work Laws:

Board 84 OF THE PROFESSIONALS ILLNESS

16 – OTHER INFORMATION

This sheet complete but do not replace our technical sheet. The information given will help the user of the product. The details given in this sheet are based on the knowledge concerning the product. They are given sincerely. We catch the attention of the users for eventual risks when the product is not properly used. The user still have to follow the regulation concerning his activity. He will be responsible for taking the precautions linked to the use of the product. Note that any chemical product can have risks, therefore, it has to be used prudently. All the regulations mentioned, will help the user to meet his obligations. This enumeration can not be considered as exhaustive. The user has to make sure that he does not have to be under other regulations.